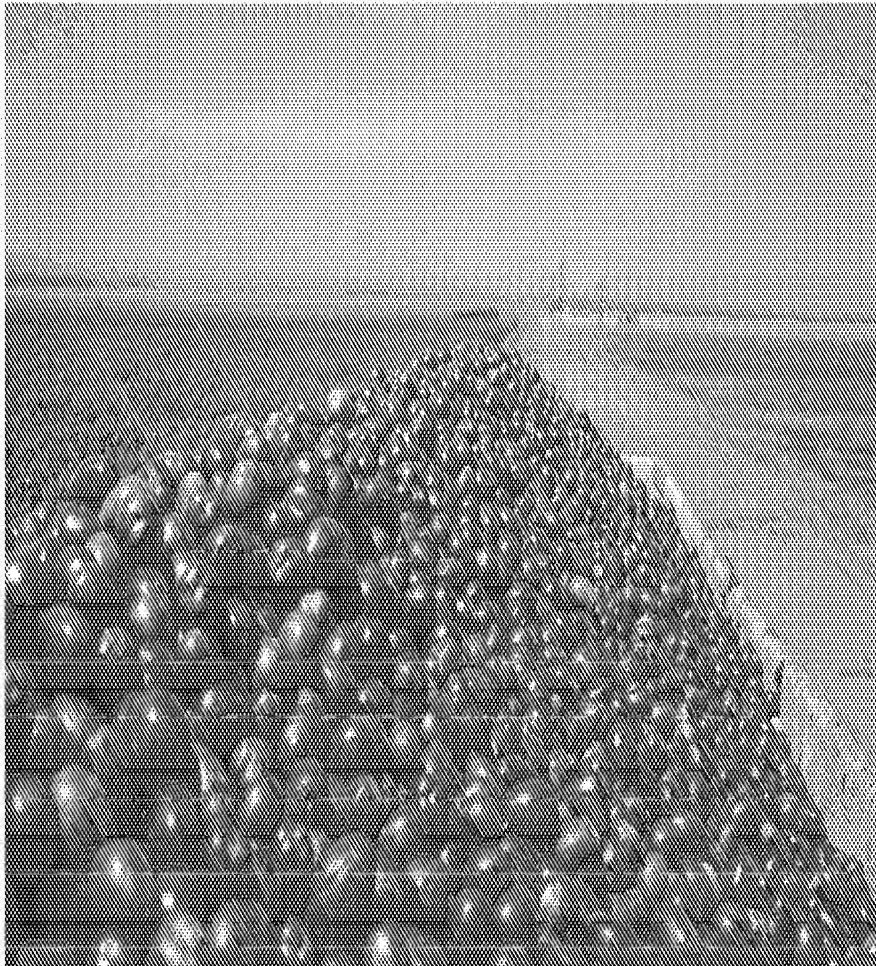


# **APPENDIX IV**

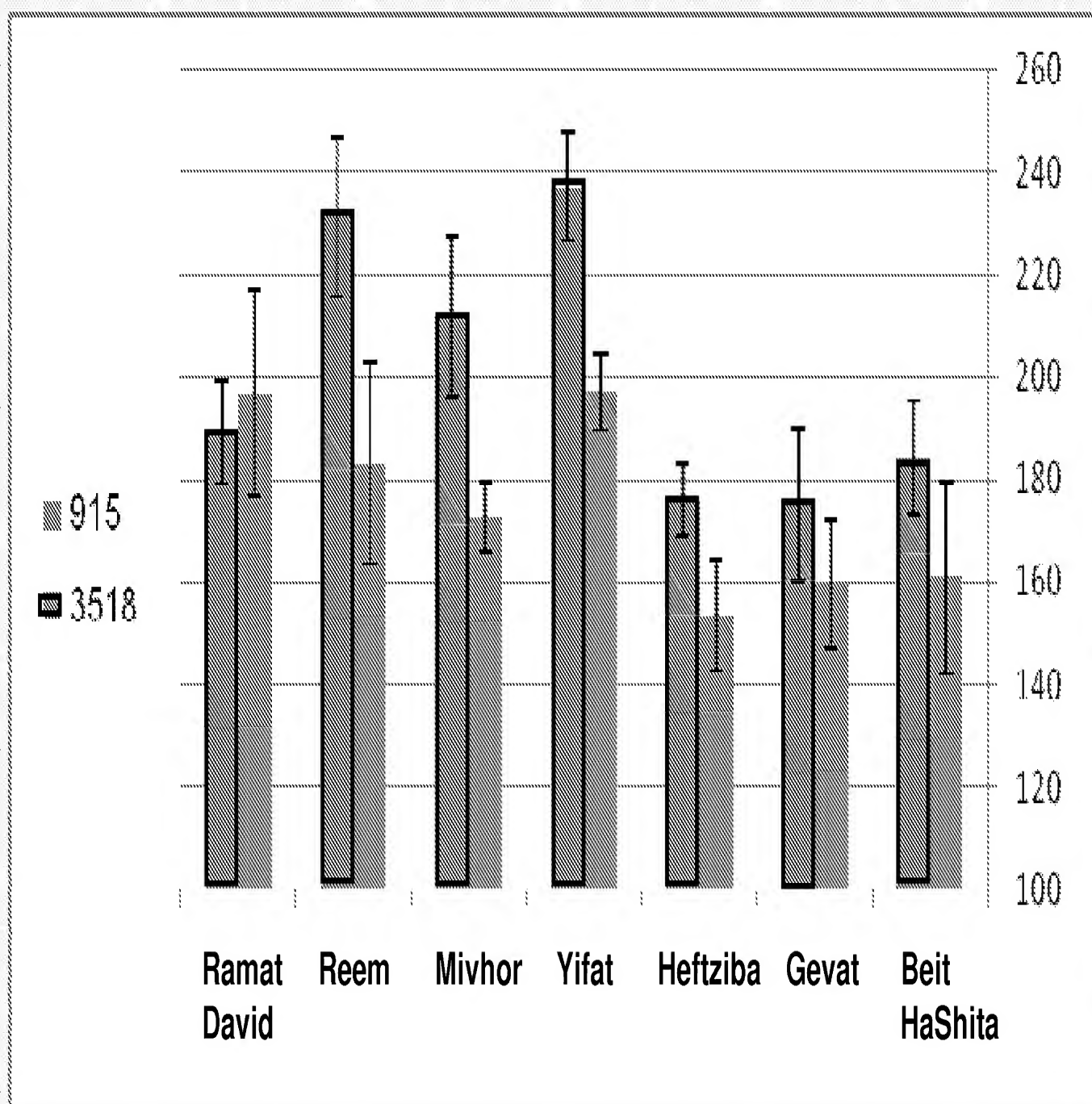


## Appendix IV

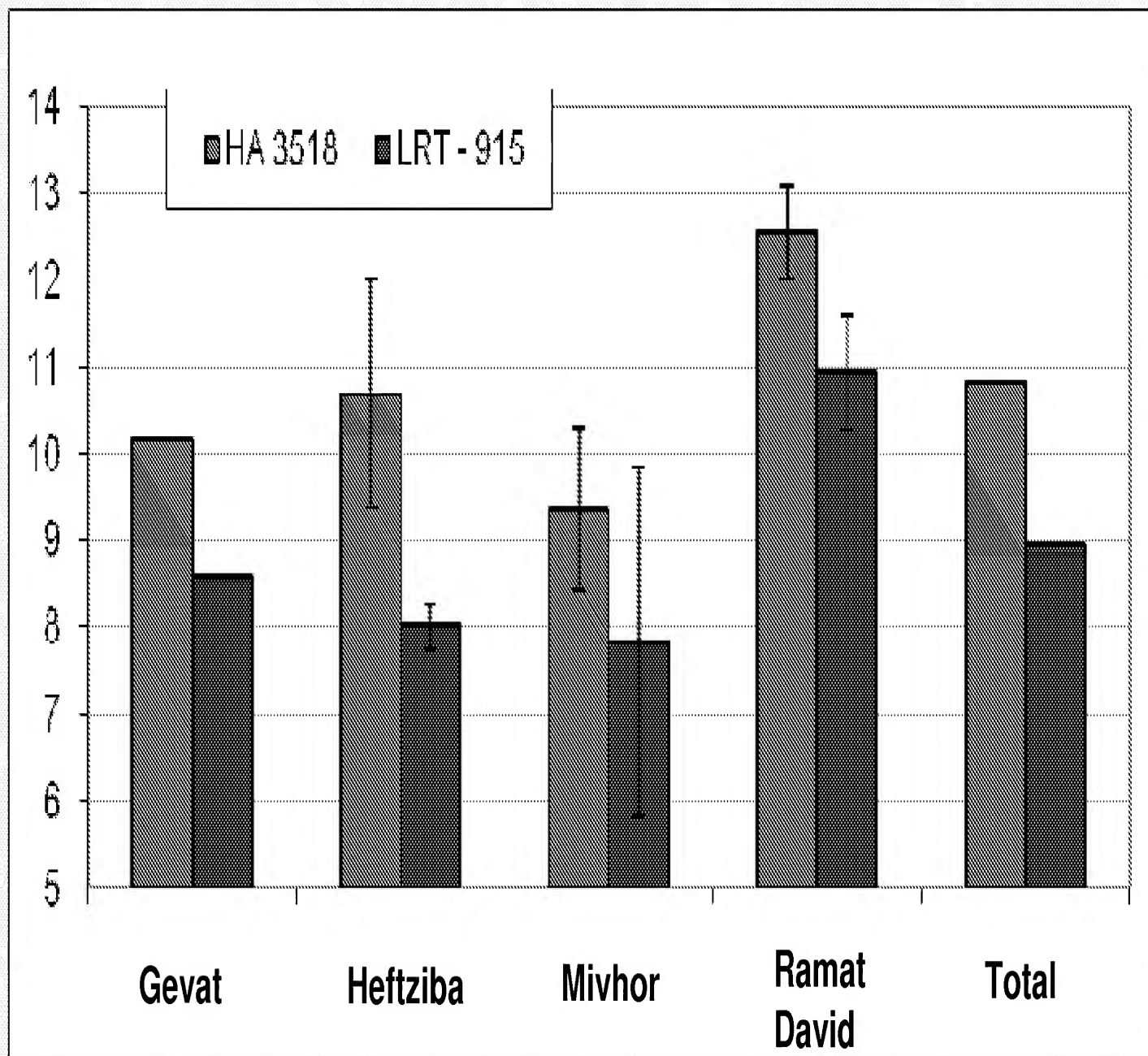
# Comparison between HA3518 and LRT915 (2002)



# Lycopene concentration (ppm)



# Fruit Yield (kg/m<sup>2</sup>)







## **Summary of Lycopene content at different locations**

HA3518 reaches an average (at 11 locations) Lycopene content of 204 ppm.

LRT915 reaches an average Lycopene content of 188 ppm.

The total average Lycopene content of HA3518 is 8% higher than LRT915



## **Summary of fruit yield at the different locations**

HA3518 produces an average (at 8 locations) yield of 9 kg/m<sup>2</sup>

LRT915 produces an average yield of 7.8 kg/m<sup>2</sup>

The total average yield of HA3518 is 14.5% higher than LRT915





## Summary of Lycopene concentration per dunam

HA3518 has an average (at 8 locations) lycopene per dunam of 1837 ppm/dunam.

LRT915 has an average (at 8 locations) lycopene per dunam of 1481 ppm/dunam.

The lycopene per dunam of HA3518 is 20% higher than LRT915.



**LRT915**



**HA3518**



# Table 1: Pleiotropic traits comparison

Trait/Phenotype	HA3518	LRT915
Sensitive leaves	-	+
Sudden leaf death	-	+
Brittle stems	-	+
Poor root system	-	+
Premature rotting fruits	-	+ (two weeks earlier)
Seed germination rate	High rate (about 92%)	Lower rate (about 72%)